



# MATERIAL SAFETY AND DATA SHEET

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**1. Product name:** Starprene Thermoplastic Elastomer Compounds

200 Series	201 Series	202 Series
203 Series	210 Series	211 Series
220 Series	230 Series	240 Series
250 Series	<b>261 Series</b>	270 Series
298 Series	299 Series	320 Series

**2. Composition / information on ingredients**

Starprene thermoplastic elastomer compounds are proprietary products. The composition of the compounds is trade secret information of Shenzhen Sunstar Enterprises Co. Ltd. These products are not identified by CAS number. All components of these products appear on the inventory of Chemical Substances published by the United States EPA or qualify for the TSCA polymer exemption under US Federal Registry Vol. 60, No.60, 3/29/95.

**3. Hazards identification**

**Health hazard:**

Molten products adheres to skin and causes burns.

**Safety hazard:**

Electrostatic charges may be generated during handling. Risk of self ignition above temperatures listed in Section 10. These materials are essentially non-toxic and non-irritating.

**Environmental hazard:**

No known hazards.

**4. First aid measures**

**Inhalation:**

Move to fresh air. Obtain medical attention if rapid recovery does not occur.

**Eye:**

Flush with water. Seek medical attention if irritation does not subside after flushing with water.

**Skin:**

If skin is in contact with hot material, cool by flushing skin with water. Do not attempt to remove anything from burn area. Do not apply burn creams or ointments. Cover loosely with a sterile dressing and seek medical attention.

**5. Fire fighting measures****Inhalation hazards:**

Combustion products may include carbon monoxide and or carbon dioxide.

**Extinguishing media:**

Foam, water spray, fog, carbon dioxide, dry chemical powders, and sand or earth.

**Unsuitable extinguishing media:**

Water in a jet or dispersed under high pressure may spread fire.

**Protective equipment:**

Full protective clothing and self contained breathing apparatus should be used.

**6. Accidental release measures****Environmental precautions:**

No Specific measures required.

**Safety precautions:**

Spilled product may cause slipping hazard.

**7. Handling and storage**

Keep material dry. Keep away from direct sunlight. Store between 10°C - 50°C. Usual precautions in pellet handling should be observed to prevent contamination by dirt or other materials.

**8. Exposure control / personal protection**

Use good industrial practice to avoid eye contact and minimize skin contamination. Wash hands and contaminated skin after handling. Avoid breathing process vapors or fumes. Use NOISH approved respiratory protection equipment when airborne exposure to processing vapors is excessive.

**9. Physical and chemical properties**

Physical form:	Pellets
Appearance:	Clear to opaque. Pellets can be any color.
Odor:	Essentially odorless
Specific gravity:	0.87 – 1.25
Hardness:	0 – 95 Shore A

**10. Stability and Reactivity**

**Stability:** Thermally stable to 260°C (estimated)

**Conditions to avoid:** Avoid contact with strong oxidizing agents.

**Hazardous decomposition products:** Hazardous vapors from heated products are not expected to be generated under normal processing temperatures and conditions. If product is overheated or catches fire thermal decomposition products may include hydrocarbons (such as methane and propane), carbon monoxide, carbon dioxide, acrolein, aldehydes, and ketones.

## 11. Toxicological Information

Starprene Elastomers do not appear to possess any toxicological properties that would require special handling other than the good industrial hygiene and safety practices employed with any industrial of this type. However, good industrial hygiene and safety practices are recommended to avoid unnecessary exposure to vapors and fumes resulted from processing of the material.

## 12. Ecological Information

Ecotoxicological data has not been determined specifically for these products.

## 13. Disposal Considerations

When discarded, this material is not a hazardous waste. Use as landfill or for incineration according to local laws and regulations.

**Waste Disposal:** Recover or recycle if possible, otherwise incineration or dispose of in a licensed landfill for polymeric materials.

**Packaging Disposal:** Same as waste disposal.

## 14. Transport Information

**International Air Transportation Association Classification:** This material is not classified as hazardous under IATA regulations.

**International Maritime Organization – IMDG:** This material is not classified as hazardous under IMDG regulations.

**UN, IMO, ADR/RID, ICAO Code:** This material is not dangerous for conveyance under these codes.

## 15. Regulatory Information

HMIS rating: reactivity: 1      health: 1      flammability: 1

## 16. Other Information

Starprene Elastomers are engineered for a wide spectrum of end uses. Each customer or user of Starprene products is solely responsible for determining the suitability of the materials they select for the intended purpose.

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Disclaimer of warranty and liability: This information is based on current knowledge and is intended to describe the product for the purpose of health, safety and environmental requirements only. It should not be construed as guaranteeing any specific property of the product. Advice in this document relates only to the product originally supplied.